

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050919\  
 Data File : BM020221.D  
 Acq On : 09 May 2019 17:27  
 Operator : JU/SJ  
 Sample : K2790-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSSI-0509-DH-4

Quant Time: May 10 04:43:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 01 03:58:37 2019  
 Response via : Initial Calibration

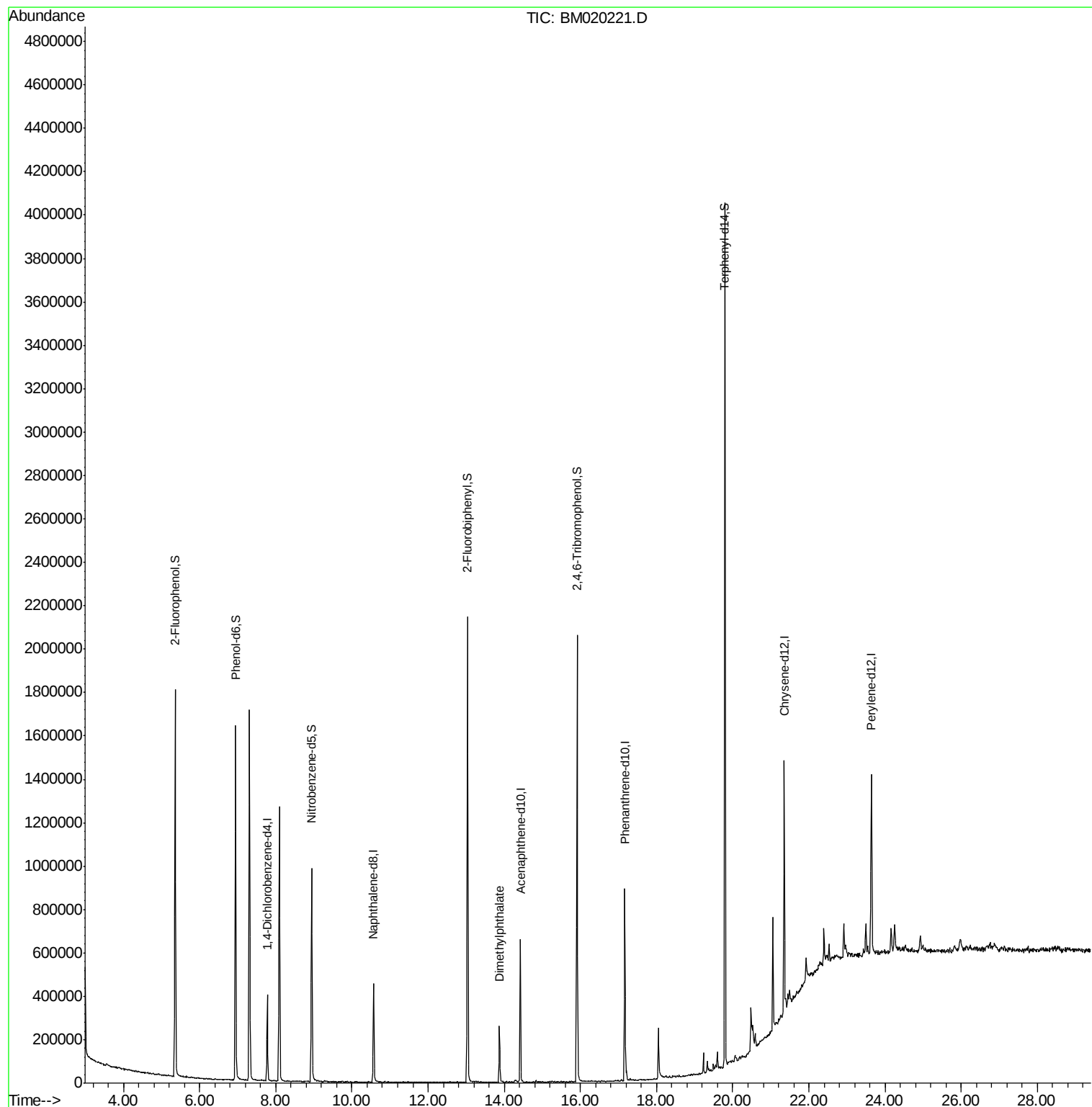
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.77  | 152  | 100110   | 20.00  | ng    | -0.02         |
| 21) Naphthalene-d8          | 10.57 | 136  | 353104   | 20.00  | ng    | -0.02         |
| 39) Acenaphthene-d10        | 14.42 | 164  | 211295   | 20.00  | ng    | -0.01         |
| 64) Phenanthrene-d10        | 17.17 | 188  | 499716   | 20.00  | ng    | -0.01         |
| 76) Chrysene-d12            | 21.36 | 240  | 529952   | 20.00  | ng    | -0.01         |
| 87) Perylene-d12            | 23.64 | 264  | 636754   | 20.00  | ng    | -0.01         |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.36  | 112  | 680673   | 111.14 | ng    | -0.01         |
| 7) Phenol-d6                | 6.95  | 99   | 925393   | 110.60 | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 8.94  | 82   | 649237   | 72.59  | ng    | -0.02         |
| 42) 2,4,6-Tribromophenol    | 15.92 | 330  | 397021   | 121.05 | ng    | 0.00          |
| 45) 2-Fluorobiphenyl        | 13.04 | 172  | 1097679  | 63.92  | ng    | -0.02         |
| 79) Terphenyl-d14           | 19.79 | 244  | 1848701  | 60.85  | ng    | -0.02         |
| Target Compounds            |       |      |          |        |       |               |
| 50) Dimethylphthalate       | 13.87 | 163  | 161957   | 9.018  | ng    | Qvalue<br>100 |

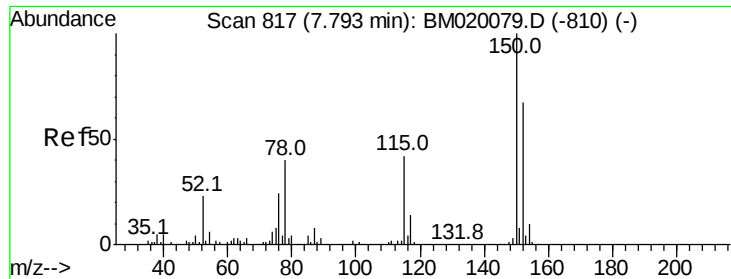
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050919\  
Data File : BM020221.D  
Acq On : 09 May 2019 17:27  
Operator : JU/SJ  
Sample : K2790-02  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSSI-0509-DH-4

Quant Time: May 10 04:43:01 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 01 03:58:37 2019  
Response via : Initial Calibration



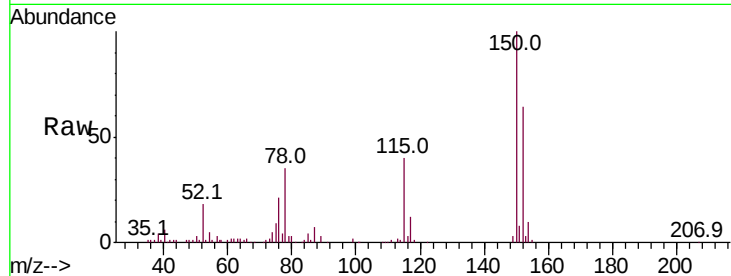


#1

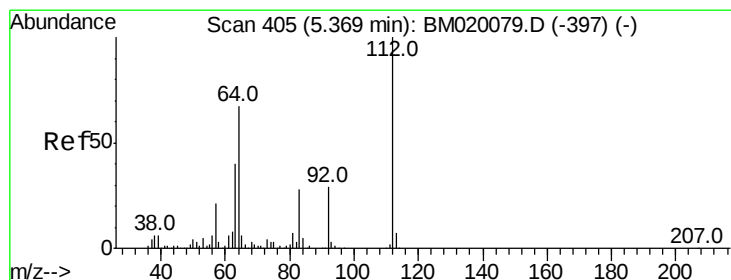
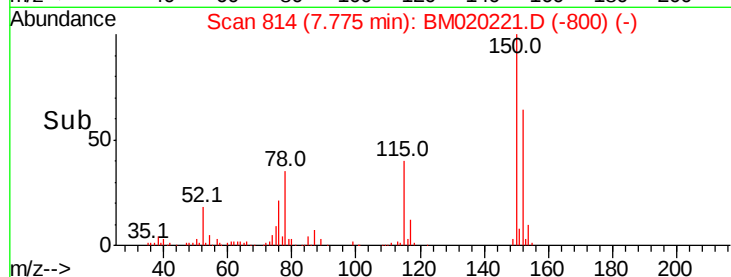
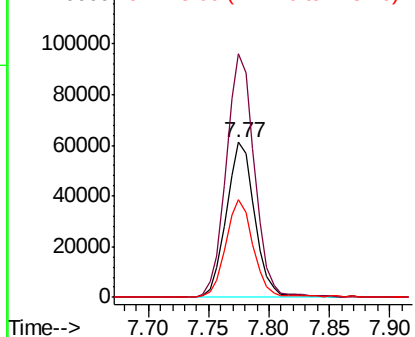
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.77 min Scan# 814  
Delta R.T. -0.02 min  
Lab File: BM020221.D  
Acq: 09 May 2019 17:27

Instrument :  
BNA\_M  
ClientSampleId :  
SSSI-0509-DH-4

Tot Ion:152 Resp: 100110  
Ion Ratio Lower Upper  
152 100  
150 157.1 119.8 179.8  
115 62.9 50.8 76.2



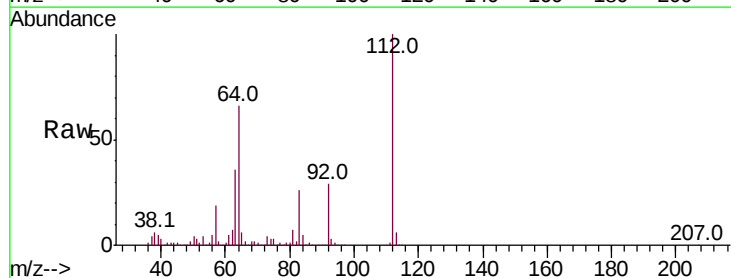
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



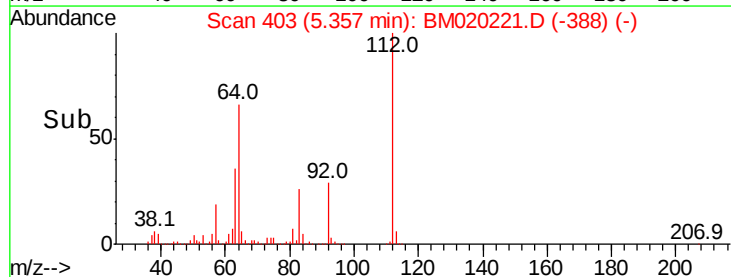
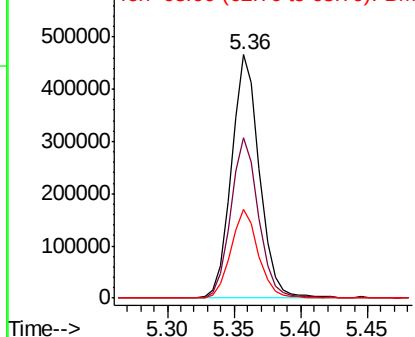
#5

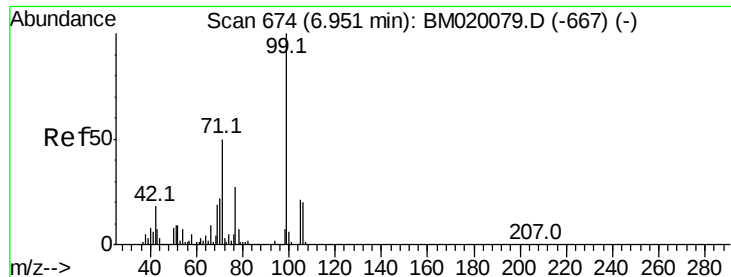
2-Fluorophenol  
Concen: 111.140 ng  
RT: 5.36 min Scan# 403  
Delta R.T. -0.01 min  
Lab File: BM020221.D  
Acq: 09 May 2019 17:27

Tgt Ion:112 Resp: 680673  
Ion Ratio Lower Upper  
112 100  
64 65.8 53.8 80.6  
63 36.2 32.3 48.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BM0  
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 110.602 ng

RT: 6.95 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM020221.D

Acq: 09 May 2019 17:27

Instrument :

BNA\_M

ClientSampleId :

SSSI-0509-DH-4

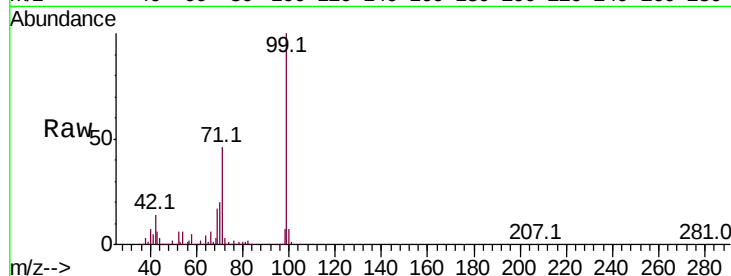
Tot Ion: 99 Resp: 925393

Ion Ratio Lower Upper

99 100

42 14.0 14.2 21.2#

71 45.7 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020079.D (-667) (-)

Ion 42.00 (41.70 to 42.70): BM020079.D (-667) (-)

Ion 71.00 (70.70 to 71.70): BM020079.D (-667) (-)

6.95

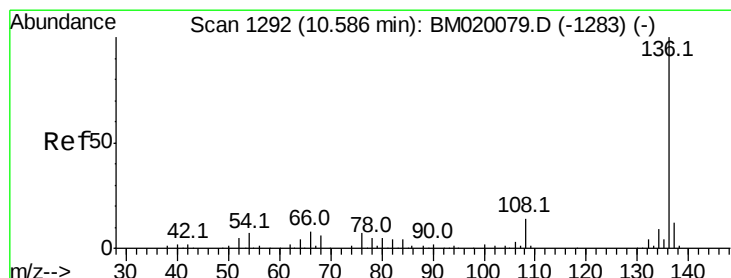
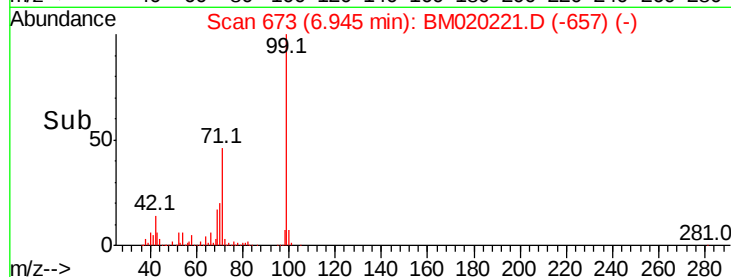
400000

200000

0

6.85 6.90 6.95 7.00 7.05

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.57 min Scan# 1289

Delta R.T. -0.02 min

Lab File: BM020221.D

Acq: 09 May 2019 17:27

Tgt Ion: 136 Resp: 353104

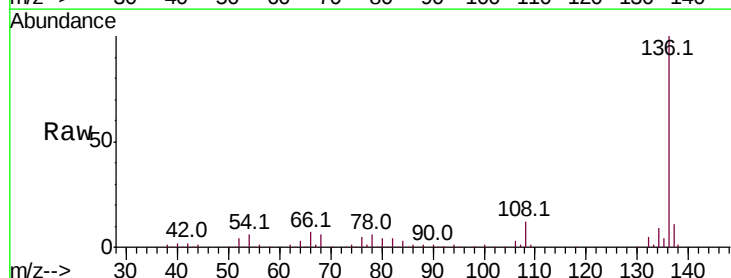
Ion Ratio Lower Upper

136 100

137 10.8 9.6 14.4

54 6.3 5.5 8.3

68 6.4 4.6 6.8



Abundance Ion 136.00 (135.70 to 136.70): BM020079.D (-1283) (-)

Ion 137.00 (136.70 to 137.70): BM020079.D (-1283) (-)

Ion 54.00 (53.70 to 54.70): BM020079.D (-1283) (-)

Ion 68.00 (67.70 to 68.70): BM020079.D (-1283) (-)

10.57

300000

250000

200000

150000

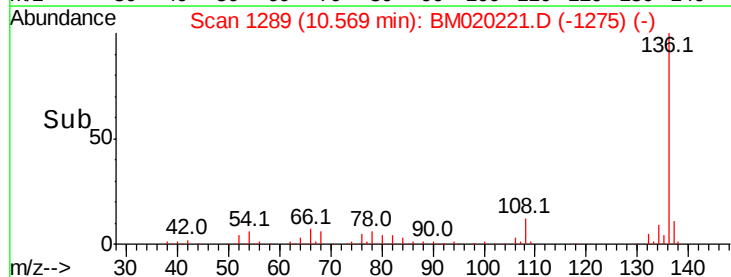
100000

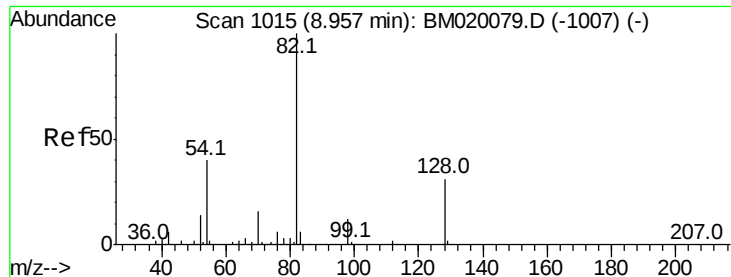
50000

0

10.50 10.55 10.60

Time-->

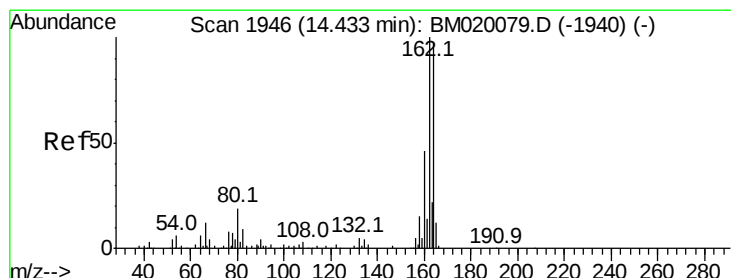
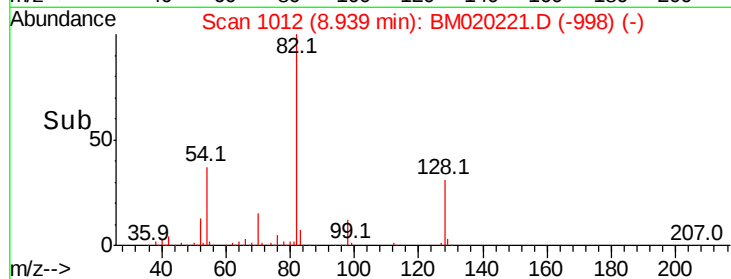
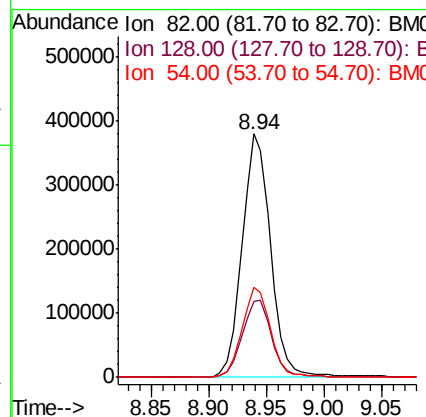
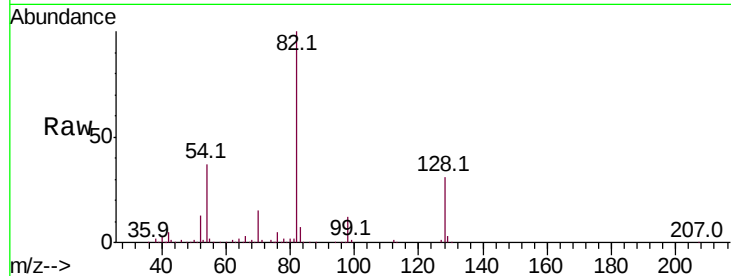




#23  
Nitrobenzene-d5  
Concen: 72.590 ng  
RT: 8.94 min Scan# 1012  
Delta R.T. -0.02 min  
Lab File: BM020221.D  
Acq: 09 May 2019 17:27

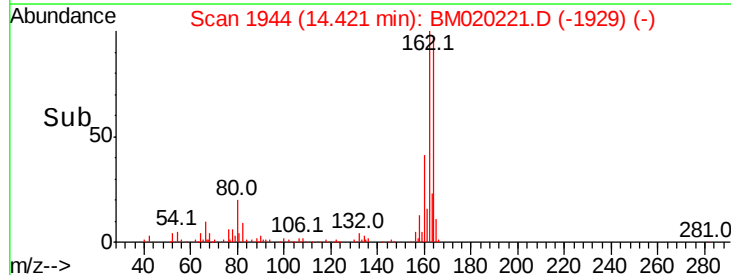
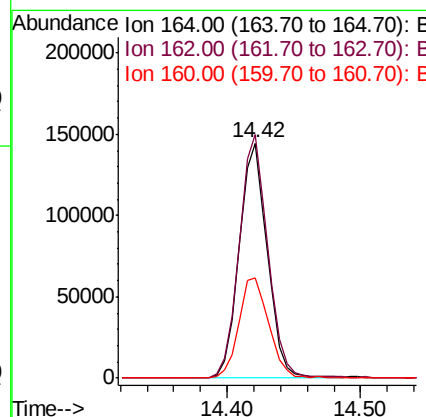
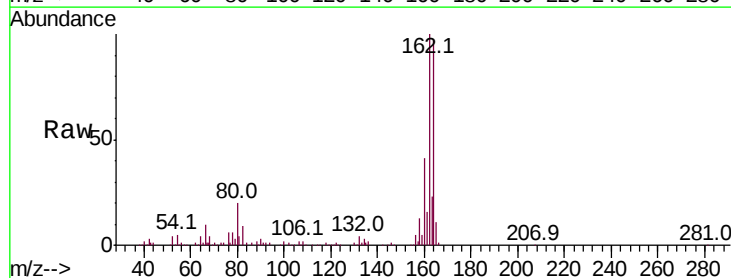
Instrument :  
BNA\_M  
ClientSampleId :  
SSSI-0509-DH-4

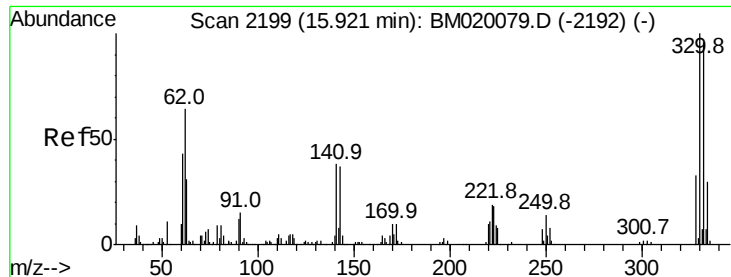
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 31.2  | 25.2  | 37.8  |
| 54      | 37.1  | 31.9  | 47.9  |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.42 min Scan# 1944  
Delta R.T. -0.01 min  
Lab File: BM020221.D  
Acq: 09 May 2019 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.5 | 82.2  | 123.2 |
| 160     | 42.4  | 37.6  | 56.4  |

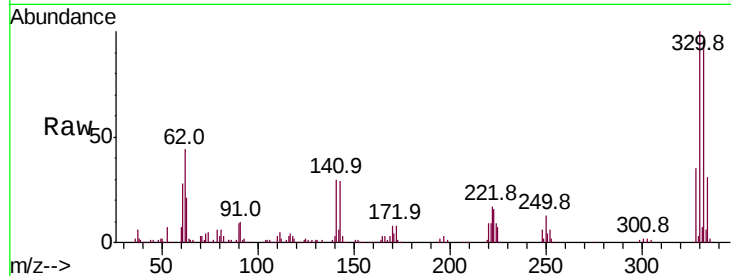




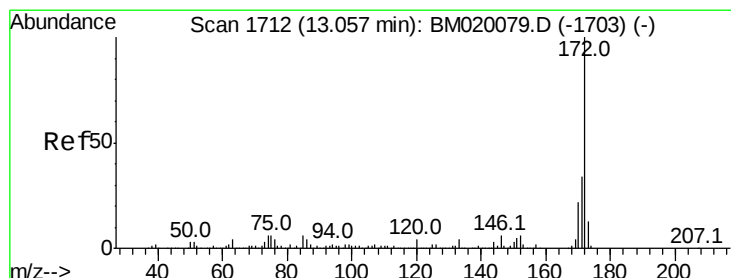
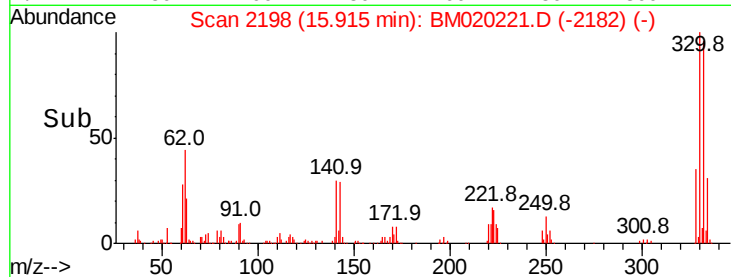
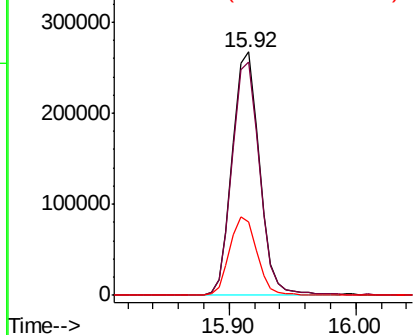
#42  
 2,4,6-Tribromophenol  
 Concen: 121.054 ng  
 RT: 15.92 min Scan# 2198  
 Delta R.T. -0.01 min  
 Lab File: BM020221.D  
 Acq: 09 May 2019 17:27

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSSI-0509-DH-4

Tot Ion:330 Resp: 397021  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 76.8 115.2  
 141 32.6 29.2 43.8

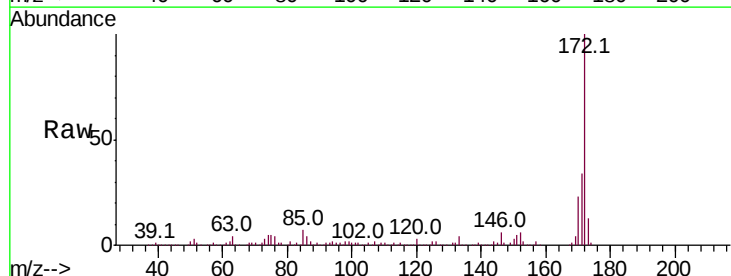


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

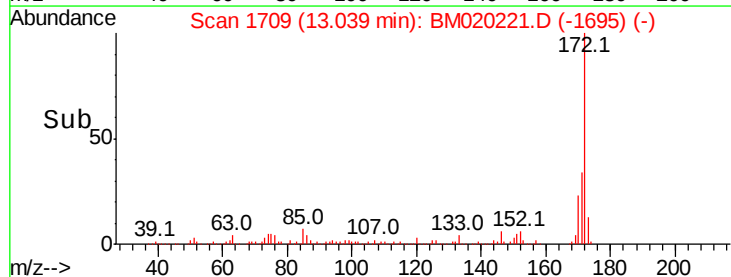
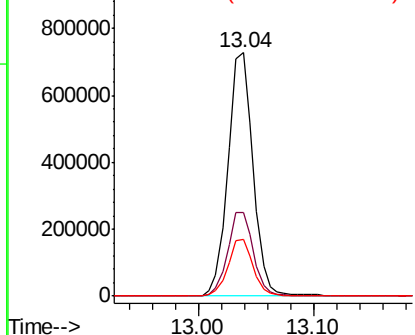


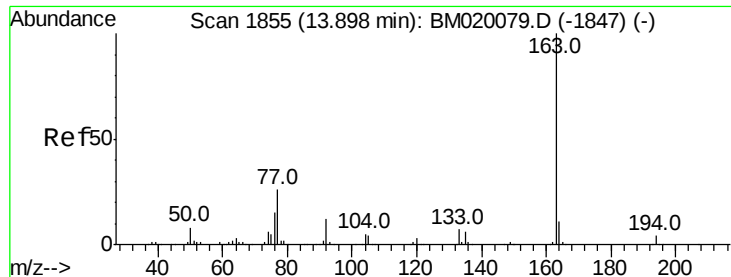
#45  
 2-Fluorobiphenyl  
 Concen: 63.918 ng  
 RT: 13.04 min Scan# 1709  
 Delta R.T. -0.02 min  
 Lab File: BM020221.D  
 Acq: 09 May 2019 17:27

Tgt Ion:172 Resp: 1097679  
 Ion Ratio Lower Upper  
 172 100  
 171 34.5 27.3 40.9  
 170 23.1 17.9 26.9



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

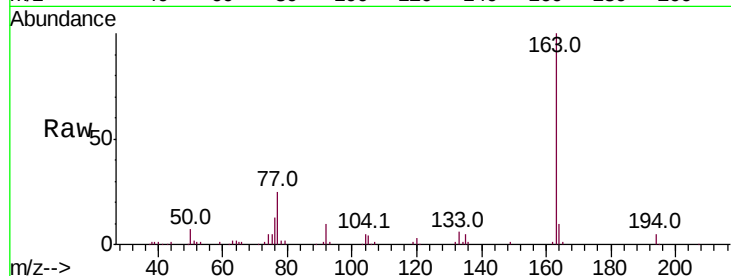




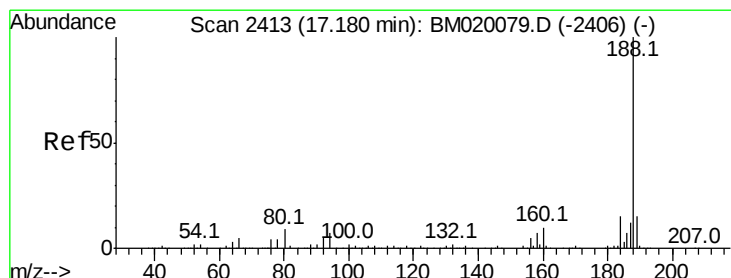
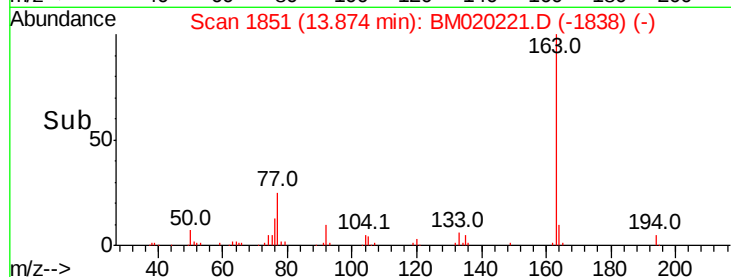
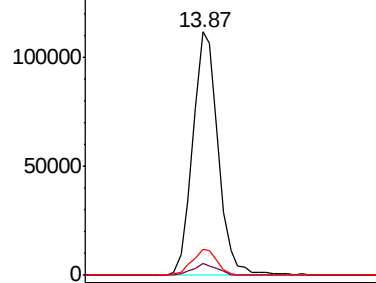
#50  
Dimethylphthalate  
Concen: 9.018 ng  
RT: 13.87 min Scan# 1851  
Delta R.T. -0.02 min  
Lab File: BM020221.D  
Acq: 09 May 2019 17:27

Instrument :  
BNA\_M  
ClientSampleId :  
SSSI-0509-DH-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.7   | 3.6   | 5.4   |
| 164     | 10.5  | 8.4   | 12.6  |

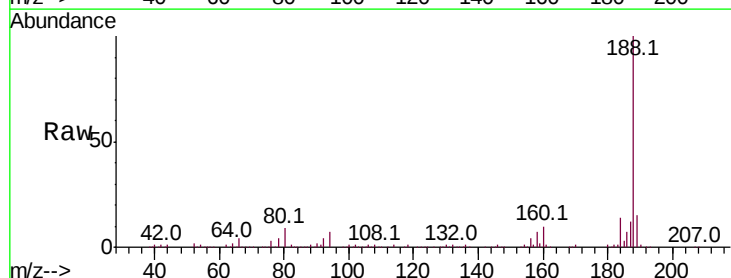


Abundance Ion 163.00 (162.70 to 163.70): E  
150000  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

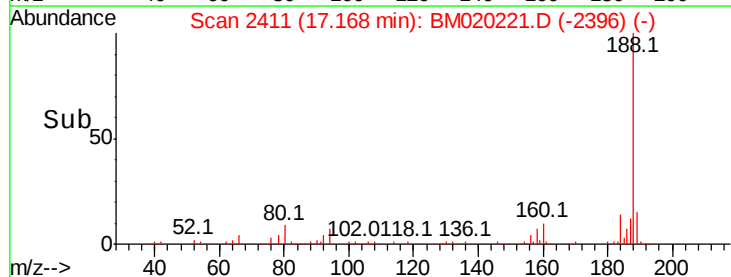
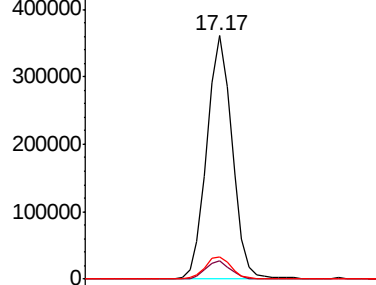


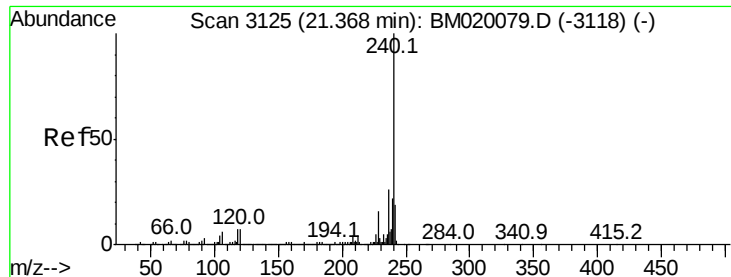
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.17 min Scan# 2411  
Delta R.T. -0.01 min  
Lab File: BM020221.D  
Acq: 09 May 2019 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.4   | 5.8   | 8.6   |
| 80      | 9.3   | 7.4   | 11.2  |



Abundance Ion 188.00 (187.70 to 188.70): E  
500000  
Ion 94.00 (93.70 to 94.70): BM0  
Ion 80.00 (79.70 to 80.70): BM0

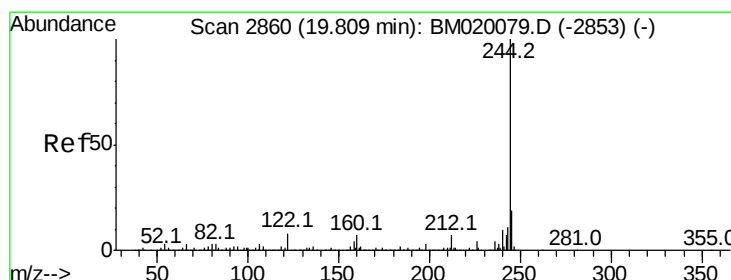
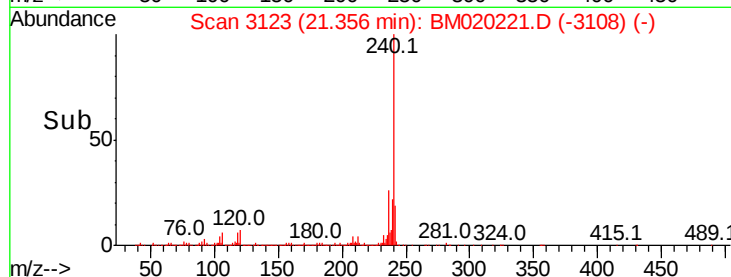
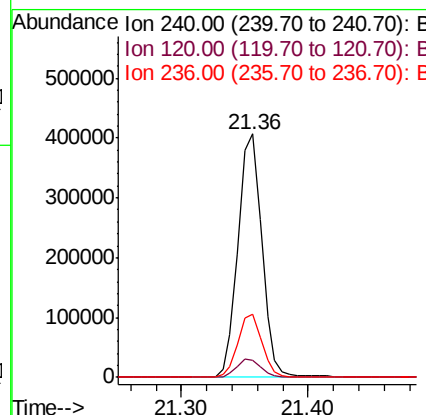
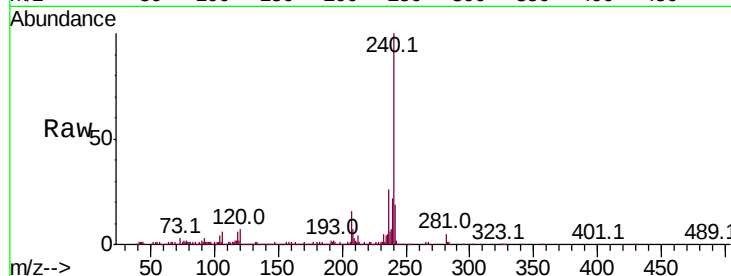




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.36 min Scan# 3123  
 Delta R.T. -0.01 min  
 Lab File: BM020221.D  
 Acq: 09 May 2019 17:27

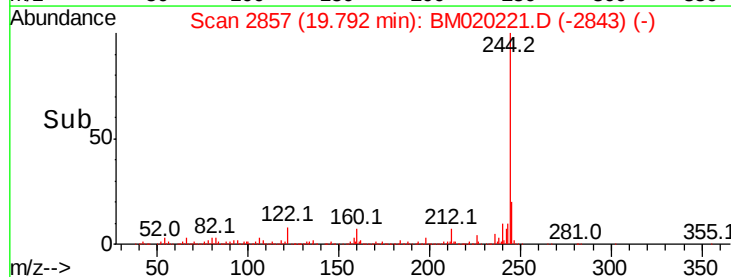
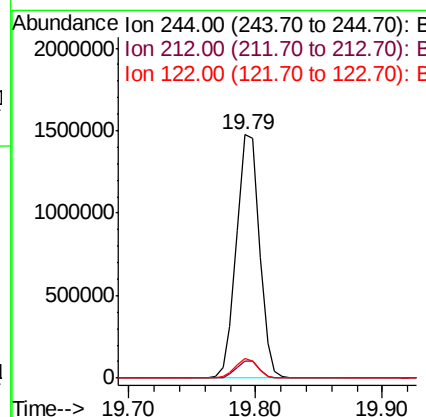
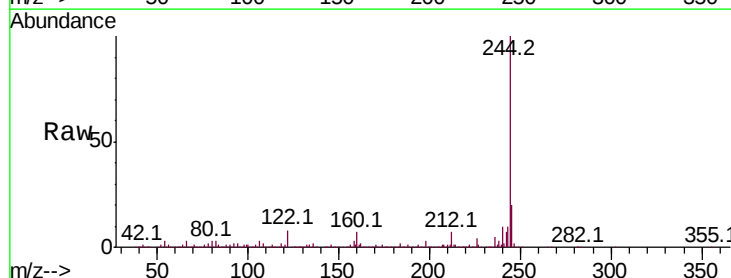
Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSSI-0509-DH-4

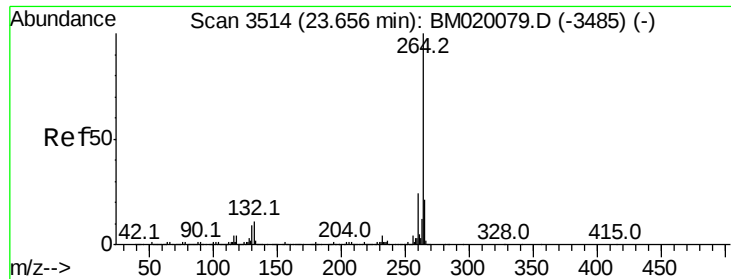
Tot Ion:240 Resp: 529952  
 Ion Ratio Lower Upper  
 240 100  
 120 6.8 5.6 8.4  
 236 26.0 20.9 31.3



#79  
 Terphenyl-d14  
 Concen: 60.846 ng  
 RT: 19.79 min Scan# 2857  
 Delta R.T. -0.02 min  
 Lab File: BM020221.D  
 Acq: 09 May 2019 17:27

Tgt Ion:244 Resp: 1848701  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.7 8.5  
 122 7.8 6.2 9.2





#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 23.64 min Scan# 3512  
 Delta R.T. -0.01 min  
 Lab File: BM020221.D  
 Acq: 09 May 2019 17:27

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSSI-0509-DH-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.6  | 19.2  | 28.8  |
| 265     | 21.9  | 16.9  | 25.3  |

